

ABSTRACT

An inventive power generating apparatus includes: a rotator **1** in which liquid is enclosed; two or more actuators **3** provided at equal intervals around the periphery of the rotator **1**; and a guide rail **41** on which rollers **11** are rolled. A vacuum is produced within a cylinder **7** of at least one of the actuators located at an upper part of the rotator **1** such that a pressure difference between the resulting vacuum pressure and atmospheric pressure acts upon a piston of the actuator **3**, and the rollers **11** of the actuator **3** are engaged with the guide rail **41**, thus providing torque to the rotator **1**.